

Class II 50V ~ 100V

高誘電型陶瓷電容器

High Permittivity Ceramic Capacitors



Operating Temperature Range

Code	Temp Range	Cap Change	EIA Code
A	-25°C to +85°C	±4.7%	Y5E
B		±10%	Y5P
E	-10°C to +85°C	+22% ~ -56%	Z5U
F		+22% ~ -82%	Z5V

Capacitance Size and Tolerance

Capacitance	Within tolerance at 1KHz and 25°C
Minimum Capacitance tolerance	
TEMP. CHAR.	MIN CAP TOL
Y5E	±10%
Y5P	±10%
Z5U	±20%
Z5V	+80% ~ -20%

Rated Voltage	50 ,100, VDC
Test Voltage	3 time rated voltage for 1.5 sec.
Insulation Resistance	10,000MΩ min at WVDC
Dissipation Factor	2.5% max for Y5E, Y5P at 1KHz and 25°C 3.5% max for Z5U, Z5V at 1KHz and 25°C
Life Test	1.5 times working voltage at 85°C for 500 hours.

HIK Type	Capacitance (pF)	Tolerance	D max (mm)	Feet Distance (mm)
Y5E	100~680	K/M	6	2.5/5.0
Y5P	750~2200	K/M	6	2.5/5.0
	2700~3300	K/M	7	2.5/5.0
	3900~5000	K/M	8	2.5/5.0
	5600~6800	K/M	9	2.5/5.0
	8200~10000	K/M	10	5.0
	0.1 uF	K/M	11	5.0
Z5U	3300~5600	M/Z	6	5.0
	6800~10000	M/Z	7	2.5/5.0
Z5V	2700~10000	Z	6	2.5/5.0
	0.015~0.022 uF	Z	7	2.5/5.0

K...±10%

M...±20%

Z...+80%-20%

Temperature Characteristic Curves

